

MEMORANDUM

TO: Vermont Children's Performance Indicator Project Advisory Group

FROM: John Pandiani
Brad James

DATE: August 28, 1997

RE: Community Mental Health and EBD/IEP Caseload Overlap

This week's Children's Services Performance Indicator report is the first in a series that will focus on caseload overlap between community mental health, special education, and SRS caseloads.

As you review these data on caseload overlap, we will be particularly interested in your comments on the quality of the data, the appropriateness of the analysis, and the effectiveness of the presentation of these data, as well as your interpretation of the results.

COMMUNITY MENTAL HEALTH AND EBD/IEP CASELOAD OVERLAP

QUESTION: How much of the caseload of Children's Services Programs at Community Mental Health Centers (CMHCs) in Vermont is also on an Individualized Educational Plan (IEP) for an Emotional Behavioral Disturbance (EBD) in their school? (This could be interpreted as a measure of the degree to which community programs serve the children and adolescents who are most in need.)

DATA: Data on children and adolescents (under 22 years of age) who were served by Children's Services Programs at CMHCs in Vermont during FY1996 were obtained from the Quarterly Service Reports provided to the Department of Developmental and Mental Health Services (DDMHS) by the community service providers. Data items used in this analysis include program and provider codes, client date of birth, and gender. The QSR includes a provider specific person identification number but does not include a statewide unique person identifier.

A data file describing all children and adolescents who were on IEPs on December 1, 1995 was obtained from the Vermont Department of Education. These data were collected as part of the 1995 Child Count Data project. Data items used in this analysis include student date of birth, gender, and disability code. The Child Count Data Set does not include a unique person identifier.

METHOD: Because the Community Mental Health and Education Department data sets do not include a unique person identifier, Probabilistic Population Estimation¹ was used to derive unduplicated numbers of individuals represented in both data sets. Results of this probabilistic estimation are presented with point estimates and 95% confidence intervals. For purposes of verification, probabilistic estimates were compared to actual Community Mental Health client counts. The 95% confidence interval included the actual count in every case.

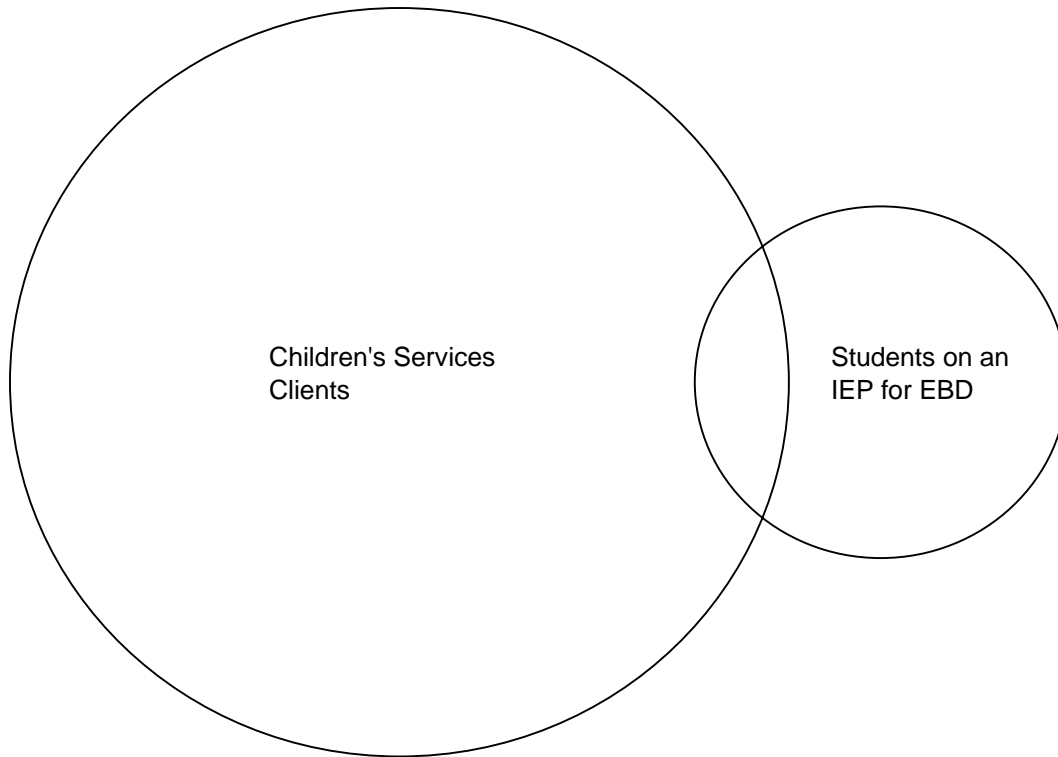
RESULTS: During the period covered by this analysis, Children's Services Programs in Vermont served an estimated 6,443 individuals under 22 years of age while an estimated 1,467 individuals received educational services under IEPs for EBD. Approximately 688 individuals were served by both programs. This caseload overlap accounted for approximately 47% of the EBD/IEP caseload, and approximately 11% of the Children's Services caseload.

NFI had the largest representation of EBD/IEP students on its caseload (approximately 29%), followed by Howard Center and Northeast Kingdom Mental Health (approximately 16% each). Southeast had the lowest representation of EBD/IEP students (approximately 7%), followed by Rutland and Lamoille (approximately 9% each).

NEXT QUESTIONS: What proportion of EBD/IEP students in each of Vermont's service areas are also served by their local CMHC? How many of the children and adolescents who were on IEPs for other disabilities were served by Children's Services Programs? How many children and adolescents on IEPs were served by Developmental Services, Substance Abuse, or other programs at CMHCs in Vermont?

¹ For more detail see Pandiani JA and Banks SM: A Global Measure of Access to Mental Health Services for a Managed Care Environment. The Journal of Mental Health Administration (24:3) Summer, 1997, or Banks SM and Pandiani JA: The Utilization of State and General Hospitals for Inpatient Care. American Journal of Public Health, forthcoming

COMMUNITY MENTAL HEALTH CHILDREN'S SERVICES PROGRAMS
CASELOAD OVERLAP WITH
INDIVIDUALIZED EDUCATION PLAN FOR EMOTIONAL BEHAVIOR DISORDER, FY1996



Number of Children and Adolescents Served

CMH clients 6,443 \pm 97

Special Education Students with EBD 1,467 \pm 28

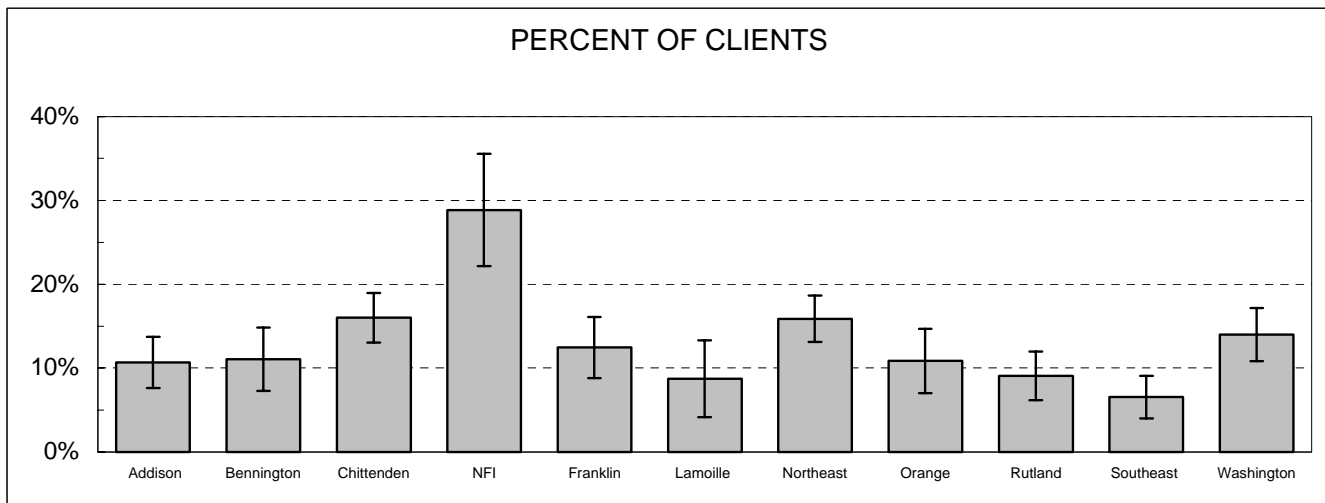
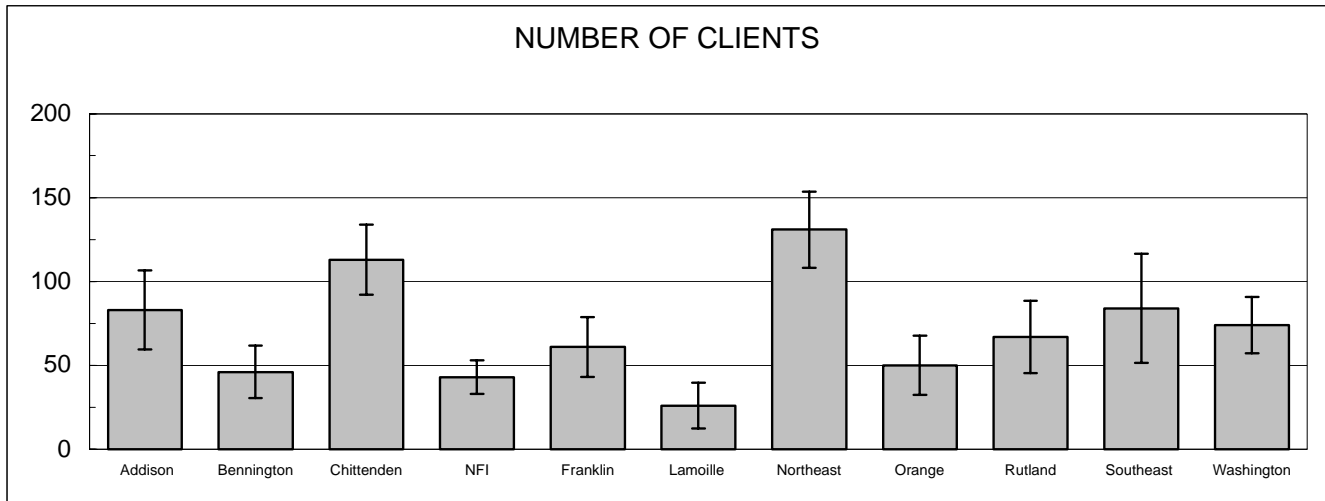
Children and Adolescents Shared

Number 688 \pm 65

Percent of CMH clients with an EBD 11% \pm 1%

Percent of all EBD students served by a CMHC 47% \pm 4%

**CLIENTS OF COMMUNITY MENTAL HEALTH CHILDREN'S SERVICES PROGRAMS
WHO WERE ALSO ON AN IEP FOR EBD, FY1996**



Region/Provider	Children's Services Clients		Special Education Students with EBD	
	Actual Count ¹	Probabilistic Estimate ²	Number ²	Percent of Children's Services Clients ³
Addison - CSAC	776	770 ± 11	83 ± 24	11% ± 3%
Bennington - UCS	416	419 ± 6	46 ± 16	11% ± 4%
Chittenden - HCHS	706	710 ± 10	113 ± 21	16% ± 3%
- NFI	149	149 ± 3	43 ± 10	29% ± 7%
Franklin - FGI	490	484 ± 7	61 ± 18	12% ± 4%
Lamoille - LCMHS	298	297 ± 5	26 ± 14	9% ± 5%
Northeast - NEK	825	825 ± 12	131 ± 23	16% ± 3%
Orange - CMC	461	456 ± 7	50 ± 18	11% ± 4%
Rutland - RACS	740	742 ± 10	67 ± 22	9% ± 3%
Southeast - HCRSSV	1,287	1,292 ± 18	84 ± 33	7% ± 3%
Washington - WCMHS	529	528 ± 7	74 ± 17	14% ± 3%

¹ Based on Quarterly Service Reports for FY1996.

² Based on Probabilistic Population Estimation; includes 95% confidence interval.